

Title (en)

Joint estimation using the M-algorithm or T-algorithm in multiantenna systems

Title (de)

Gesamtschätzung unter Verwendung des M- beziehungsweise T-Algorithmus in Mehrantennensystemen

Title (fr)

Estimation conjointe par l'utilisation des algorithmes M ou T, dans des système a plusieurs antennes

Publication

EP 2139183 B1 20110720 (EN)

Application

EP 09173046 A 20000505

Priority

EP 00303784 A 20000505

Abstract (en)

[origin: EP1152576A1] This application comprises a wireless communication system with the following elements: a base station, comprising N first groups, each of which consists of a number of antennae connected to a receiver unit; a processing unit, connected to each of the first groups; M second groups, each with a transmitter and a number of antennae, for transmitting radio frequency signals to the first groups, essentially within the same frequency band. The processing unit stores information on the transfer functions from each antenna of the second groups, to each antenna of the first groups. Joint estimation of each signal is made using either the M-algorithm or the T-algorithm. <IMAGE>

IPC 8 full level

H04L 25/03 (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1152576 A1 20011107; **EP 1152576 B1 20091111**; **EP 1152576 B8 20091223**; DE 60043291 D1 20091224; EP 2139183 A1 20091230; EP 2139183 B1 20110720; US 2002122501 A1 20020905; US 2005259762 A1 20051124; US 6968013 B2 20051122; US 7180954 B2 20070220

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EP 00303784 A 20000505; DE 60043291 T 20000505; EP 09173046 A 20000505; US 19518405 A 20050802; US 84888201 A 20010504